CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 18.03.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

***Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

***Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.

***Name of the work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

Reference : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

***Sample ID** : Roof Concrete - Second Floor (North West Toilet)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

***Grade of Concrete** : M_{25}

Compressive Strength as on : 28th day

Sample Received on : 18.03.2017

Sl.No.	*Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2017	18.03.2017	8.110	607.3	26.99
2	18.02.2017	18.03.2017	8.280	620.5	27.58
3	18.02.2017	18.03.2017	8.339	625.5	27.80

*Information is furnished by the Customer/Representative.

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Technical Manager

Asst. Executive Engineer
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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 15.01.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.

*** Name of the work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

*** Reference** : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 15.01.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.12.2016	15.01.2017	8.364	510.3	22.68
2	18.12.2016	15.01.2017	8.152	484.5	21.53
3	18.12.2016	15.01.2017	8.248	499.7	22.21

* Information is furnished by the Customer/Representative

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CUBE/2016-17 11.02.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.

*** Name of the work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

*** Reference** : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

*** Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*** Grade of Concrete** : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 11.02.2017

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.01.2017	11.02.2017	8.156	498.2	22.14
2	14.01.2017	11.02.2017	8.287	508.4	22.60
3	14.01.2017	11.02.2017	8.326	523.6	23.27

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CC Solid Block/2016-17 : 24.12.2016

TEST REPORT ON SOLID CONCRETE BLOCKS

*** Customer** : **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. C.N.S. Murthy,**
No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block,
Basaveshwaranagar, Bangalore – 560 079.

*** Name of the Work** : Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.

Reference : EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016

Sample Received on : 20.12.2016

Date of Testing : 24.12.2016

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	35.63	258.9	3.24	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	34.87	262.3	3.28	
3	Block 3	35.12	263.1	3.29	
4	Block 4	36.52	264.3	3.30	
5	Block 5	35.89	260.3	3.25	
6	Block 6	34.52	262.3	3.28	
7	Block 7	35.74	261.3	3.27	
8	Block 8	35.23	259.6	3.25	

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Job No.: CTCE/BBMP/CNSM/W.No.01/CSR-09/136p/CC Solid Block/2016-17 : 24.12.2016

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** Project Sub Division, BBMP, Bangalore.
* Agency	: **Mr. C.N.S. Murthy,** No.12, Srimatha, 3rd Cross, SVC, NSS layout, 3rd Stage, 4th Block, Basaveshwaranagar, Bangalore – 560 079.
* Name of the Work	: Construction of Additional Class rooms, toilet and Auditorium and Providing office accessories to Yelahanka Government Degree College, Yelahanka Bangalore in Ward No.01, BBMP, Bangalore.
Reference	: EE(Project)/Ynk Zone/WO/20/2016-17 Dated: 01.09.2016
Sample Received on	: 20.12.2016
Date of Testing	: 24.12.2016
Size of Blocks	: 400mm x 100mm x 200mm
Cross Sectional Area	: 40000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	17.25	131.8	3.30	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	18.65	132.6	3.32	
3	Block 3	18.32	133.4	3.34	
4	Block 4	17.48	131.7	3.29	
5	Block 5	17.69	129.3	3.23	
6	Block 6	18.56	133.9	3.35	
7	Block 7	17.42	132.4	3.31	
8	Block 8	17.53	131.8	3.30	

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